

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An extension piece for a dental implant with comprising: a head part which serves as a basis for a retention element, and with a threaded stem with which the extension piece can be screwed into the dental implant, wherein
the extension piece has having at least one reference form, in particular a reference surface, which defines the circumferential positioning position of the extension piece and via by which reference form the circumferential position of the extension piece can be transferred to a working model, and
wherein the extension piece has, between the reference form and the threaded stem, a non-cylindrical outer contour with screw-in surfaces by which the extension piece can be screwed into the dental implant with a tool engaging on the screw-in surfaces.
2. (Currently Amended) The extension piece as claimed in claim 1, wherein the extension piece has a mating shoulder via which the extension piece can be supported on an implant shoulder of [[an]] the dental implant, by which means such that the position of the extension piece in the axial direction can be transferred.
3. (Currently Amended) The extension piece as claimed in claim 1, wherein the extension piece has a first contour onto which a transfer aid with a complementarily shaped second contour can be clamped and/or snapped, and the first contour is arranged between the screw-in surfaces and the reference form.

4. (Currently Amended) The extension piece as claimed in claim 1, wherein the head part is of substantially cylindrical design[[,]] and wherein the has at its upper end a reference surface as the reference form, and wherein the reference surface is formed by a cut surface of a semicircular cylinder extending parallel to the screw axis of the extension piece.

5. (Canceled)

6. (Original) The extension piece as claimed in claim 4, wherein a bevel is provided in the area of the transition from the reference surface to the outer surface of the semicircular cylinder.

7. (Currently Amended) The extension piece as claimed in claim 1, wherein the extension piece is made of a metallic, non-oxidizing, high-melting-point alloy, in particular of a composition of 60% Au, 19% Pt, 20% Pd, 1% Ir, the melting range being between 1400° and 1490° Celsius.

8. (Currently Amended) A transfer aid for transferring the position of [[an]] a dental implant and of [[an]] the extension piece, in particular as claimed in claim [[1]] 3, to a working model, [[with]] the transfer aid comprising:

a transfer surface which defines the circumferential position of the transfer aid, the transfer surface being shaped to complement [[a]] the reference form on the extension piece, wherein the transfer aid has

a base plate in which the transfer surface is arranged, the transfer aid being able to be secured on the extension piece by clamping and/or snap-fit means, and the base plate having a [[form]] non-cylindrical outer contour which can be anchored securely against rotation in an impression, in particular a non-cylindrical outer contour and

a circular lip which is arranged on the base plate and which has a second contour by which the transfer aid can be snapped and/or clamped onto the first contour of the extension piece.

9. (Original) The transfer aid as claimed in claim 8, wherein the transfer surface is part of a semicylindrical opening in the base plate.

10. (Original) The transfer aid as claimed in claim 9, wherein a recess is arranged in the transition area between the transfer surface and the semicylindrical inner surface.

11. (Canceled)

12. (Currently Amended) The transfer aid as claimed in claim 8, wherein the transfer aid is in one piece, ~~preferably made of a plastic material.~~

13. (Currently Amended) The transfer aid as claimed in claim 89, wherein the opening extends right through the base plate.

14. (Currently Amended) The transfer aid as claimed in claim 8, wherein the base plate is provided with holes which are arranged radially outside the circular lip.

15. (Currently Amended) A method comprising: ~~use of~~
providing an extension piece which can be machined, in particular ground, for a dental implant, in particular as claimed in claim 1, and which can be machined,
and using the extension piece as a transfer part for transferring its own axial and circumferential position[[],] to a working model and/or as a basis for a retention element.

16. (Currently Amended) A combination of a transfer aid and of an extension piece as claimed in claim 8, ~~and preferably of a dental implant, where~~ wherein the reference form is a reference surface and the transfer surface on the transfer aid is designed complementing complements the reference surface of the extension piece.

17. (Currently Amended) A method for taking an impression of the radial and axial position of at least one dental implant implanted in a jaw bone with [[an]] the extension piece as claimed in claim 1 fitted in it to a working model and/or for producing a basis for a retention element, said method comprising the following steps:

- a) screwing the at least one extension piece with [[a]] the reference surface form as a basis for a retention element into the at least one dental implant ~~or implants~~ with a predetermined first torque,
- b) producing an impression of the situation of the at least one dental implant and of the extension piece in the patient's mouth by applying an impression compound, the extension piece leaving an impression in the impression compound and remaining connected to the implant after removal of the impression compound from the mouth,
- c) removing the extension piece from the implant after removal of the impression compound from the mouth,
- d) repositioning the extension piece in the correct position in the impression,
- e) before or after step d), screwing ~~the extension piece or extension pieces repositioned in the impression~~ into a manipulation implant with a second torque onto the at least one extension piece,
- f) producing a working model by casting the manipulation implant or implants into a modeling compound.

18. (Currently Amended) The method as claimed in claim 17, wherein a transfer aid is applied to the extension piece, ~~in particular by clamping and/or screwing~~, before the removal of the impression of the extension piece, and wherein the transfer aid remains in the impression compound when the impression is produced.

19. (Currently Amended) The method as claimed in claim 17, wherein the first predetermined torque is greater than the second torque, ~~wherein in particular the first torque is approximately 35 Ncm~~, and wherein the second torque approximately corresponds to a manual screwing of the extension piece onto the manipulation implant.

20. (Original) The method as claimed in claim 17, wherein, in step a), the extension piece is turned twice in succession into the implant.

21. (Currently Amended) The method as claimed in claim 17, wherein the extension piece is machined, ~~in particular ground~~, after the impression has been taken.

22. (Original) The method as claimed in claim 21, wherein a position marking is arranged on the extension piece before the machining, and wherein the extension piece, for machining, is removed from the working model and in particular fitted onto a holder and machined on the latter.

23. (Currently Amended) The method as claimed in claim [[17]] 21, wherein during machining of the extension piece, a plateau surface is formed, to which a retention element for mounting a detachable tooth replacement is applied ~~to the machined extension piece on a plateau surface~~.

24. (Currently Amended) The method as claimed in claim 23, wherein the machined extension piece is screwed into the implant with the first predetermined torque.

25. (Original) The method as claimed in claim 23, wherein, upon definitive screwing of the machined extension piece into the implant, a spreading cone is inserted between an inner cone of the implant and the extension piece.

26. (New) The extension piece as claimed in claim 7, wherein the alloy is a composition of 60% Au, 19% Pt, 20% Pd, 1% Ir, the melting range being between 1400° and 1490° Celsius.

27. (New) The method as claimed in claim 18, wherein the transfer aid is applied to the extension piece by clamping and/or screwing.

28. (New) The transfer aid as claimed in claim 12, made of a plastic material.

29. (New) A method for taking an impression of the radial and axial position of at least one dental implant implanted in a jaw bone with an extension piece fitted in it to a working model and/or for producing a basis for a retention element, said method comprising the following steps:

a) screwing the at least one extension piece with a reference surface as a basis for a retention element into the at least one dental implant with a first torque,

b) producing an impression of the situation of the at least one dental implant and of the extension piece in the patient's mouth by applying an impression compound, the extension piece leaving an impression in the impression compound and remaining connected to the implant after removal of the impression compound from the mouth,

c) removing the extension piece from the implant after removal of the impression compound from the mouth,

d) repositioning the extension piece in the correct position in the impression,

e) before or after step d), screwing a manipulation implant with a second torque onto the at least one extension piece, wherein the first torque is greater than the second torque, and wherein the second torque approximately corresponds to a manual screwing of the extension piece onto the manipulation implant, and

f) producing a working model by casting the manipulation implant or implants into a modeling compound.

30. (New) The method as claimed in claim 29, wherein, in step a), the extension piece is turned twice in succession into the implant.

31. (New) The method as claimed in claim 29, wherein the extension piece is machined after the impression has been taken.

32. (New) The method as claimed in claim 29, wherein a position marking is arranged on the extension piece before the machining, and wherein the extension

piece, for machining, is removed from the working model and in particular fitted onto a holder and machined on the latter.

33. (New) The method as claimed in claim 32, wherein during machining of the extension piece, a plateau surface is formed, to which a retention element for mounting a detachable tooth replacement is applied.

34. (New) The method as claimed in claim 32, wherein the extension piece is screwed into the implant with the first torque.

35. (New) The method as claimed in claim 32, wherein, upon definitive screwing of the machined extension piece into the implant, a spreading cone is inserted between an inner cone of the implant and the extension piece.